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From: Dave Dickerson/R1/USEPA/US

To: "Craffey, Paul (DEP)" <Paul.Craffey@state.ma.us>

Delivered Date: 07/21/2010 01:21 PM EDT

Subject: RE: NBH Cost estimates

Paul - see answers below.

Dave

▼ "Craffey, Paul (DEP)" ---07/21/2010 10:21:24 AM---Is the 100% T&D the existing ROD? Is the 1 CAD cell the ESD? Does this assume a future ROD change

From: "Craffey, Paul (DEP)" <Paul.Craffey@state.ma.us>

To: Dave Dickerson/R1/USEPA/US@EPA

Date: 07/21/2010 10:21 AM

Subject: RE: NBH Cost estimates

Is the 100% T&D the existing ROD?

NO, THE EXISTING ROD AS AMENDED BY THE ESDS TO DATE ARE THE THREE UPPER HARBOR CDFS AND OFFSITE DISPOSAL (FOR THAT VOLUME OF SEDIMENT THAT WOULD HAVE BEEN DISPOSED IN CDF D) .

Is the 1 CAD cell the ESD? Does this assume a future ROD change to eliminate CDFs?

THE CURRENT ESD BASICALLY SAYS, FOR THE VOLUME THAT WOULD HAVE GONE INTO CDF D, WE CAN GO EITHER OFFSITE OF TO A LOWER HARBOR CAD. AND YES, A ROD AMENDMENT IS ANTICIPATED TO ELIMINATE THE CDFS.

The ESD has a 40 year time period and \$1.2 billion cost.

BOTH THE TIME AND COST TO COMPLETE ARE DEPENDENT ON ANNUAL FUNDING RATES. ALSO REMEMBER THAT THIS ESD'S COST ESTIMATES INCLUDE THE THREE CDFS SINCE THEY ARE STILL PART OF THE OFFICIAL REMEDY.

From: dickerson.dave@epamail.epa.gov [dickerson.dave@epamail.epa.gov]

Sent: Tuesday, July 20, 2010 9:12 AM

To: Craffey, Paul (DEP)
Cc: Ng.ManChak@epamail.epa.gov
Subject: Re: NBH Cost estimates

Paul - before I list the info PLEASE PLEASE PLEASE bear in mind that these are still draft estimates and should NOT be quoted. Also, note that these assume NO CDFs. All numbers below assume the \$15m/yr funding level in your question, and reflect the cost and time TO COMPLETE (i.e., not including past costs):

100 % T&D NPV = \$386m actual\$=\$1.4B 42 years

1 CAD cell NPV = \$342m actual\$=\$983m 35 years

2 CAD cells* NPV= \$281m* actual\$=\$405m* 21 years*

*older and most-uncertain draft estimate of the bunch, needs to be updated to be consistent with the other estimates

Hope this helps. Any questions please ask.

Dave

From: "Craffey, Paul (DEP)" <Paul.Craffey@state.ma.us>

To: Dave Dickerson/R1/USEPA/US@EPA

Date: 07/19/2010 04:14 PM

Subject: NBH Cost estimates

Any cost estimates for the \$15 million/year funding for the No CDF and 2 CAD scenarios? And how long each would take?